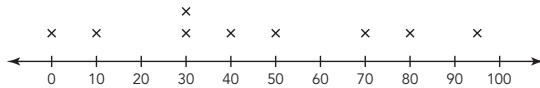


Standardized Test

Name _____ Date _____

1. What is the mean of the data set graphed on the dot plot?



- a. 30
- b. 40
- c. 45
- d. 95

2. Krissa recorded the ages of the children at a family picnic.

2, 8, 6, 8, 2, 10, 0, 5, 11

What are all the modes of this data set?

- a. 2 and 8
- b. 6
- c. 8
- d. no modes

3. Ian recorded the time, in seconds, that it took each contestant to solve a riddle. He recorded the results.

68 seconds	89 seconds	122 seconds	72 seconds
139 seconds	49 seconds	115 seconds	83 seconds
97 seconds	56 seconds	142 seconds	

What is the third quartile of the data?

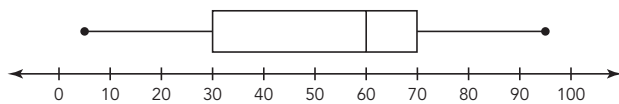
- a. 68 seconds
- b. 89 seconds
- c. 115 seconds
- d. 122 seconds

4. Logan recorded his scores the last 6 times he played his favorite video game.

Game Number	1	2	3	4	5	6
Points Scored	66	47	58	31	52	70

Which is the deviation of his score in Game 2 from the mean?

- a. 8 points
 - b. -8 points
 - c. 7 points
 - d. -7 points
5. Steph made the box-and-whisker plot shown.
6. What is the mode of the data set graphed on the dot plot?



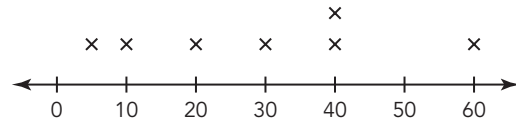
What is the IQR for the data?

- a. 40
 - b. 60
 - c. 70
 - d. 90
- a. 29.3
 - b. 30
 - c. 40
 - d. 60
7. Brianna recorded the high temperatures in her town each day for 8 consecutive days. Her data are shown.

78, 65, 72, 80, 68, 77, 75, 52

Which is not a true statement about the data?

- a. 50% of the temperatures are between 66.5 and 77.5 degrees.
- b. 75% of the temperatures are less than 77.5 degrees.
- c. 25% of the temperatures are less than 66.5 degrees.
- d. 50% of the temperatures are less than 77.5 degrees.



8. Mrs. Feinstein recorded the weight, in pounds, of each of her 8 great-grandchildren. Her data are shown.

45, 52, 31, 27, 38, 60, 44, 55

What is the mean absolute deviation of the data?

- a. 0 pounds
- b. 9 pounds
- c. 10 pounds
- d. 44 pounds

9. The stem-and-leaf plot shown displays the weights, in pounds, of the dogs in an animal shelter.

2	5 8 9 9
3	0 2 4 5 7
4	2 4 4 5 8 8 8 9
5	1 5 6
6	3

3 | 4 = 34 pounds

What is the median weight for the dogs in the animal shelter?

- a. 38 pounds
- b. 44 pounds
- c. 48 pounds
- d. 49 pounds

10. Keisha has a part-time job. Her earnings vary from week to week. The amounts she earned each of the past 8 weeks are shown.

\$88, \$104, \$96, \$112, \$132, \$92, \$100, \$116

What were her median weekly earnings of this period?

- a. \$102
- b. \$105
- c. \$100
- d. \$104

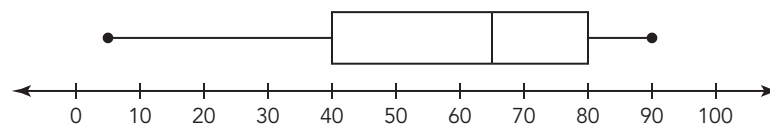
11. The table shows the scores of 10 students in Mr. Garcia's 3rd period math class on their last 20-point quiz.

Name	Quiz Score
Kelsey	18
Adam	12
Matthew	15
Maria	10
Victoria	13
Michael	20
Jessica	16
Anna	12
Brandon	18
Luis	6

What is the absolute deviation of Victoria's quiz score from the mean?

- a. 0 points
- b. 2 points
- c. -1 point
- d. 1 point

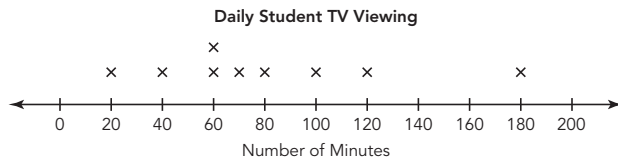
12. Mark made the box-and-whisker plot shown.



What percent of the data in the box-and-whisker plot is below 40?

- a. 25%
- b. 40%
- c. 50%
- d. 75%

- 13.** Yasi wanted to determine how many minutes students watch TV each day. She decided to do a random survey of 9 students. Then she plotted the data on a dot plot.



What is the range of the data?

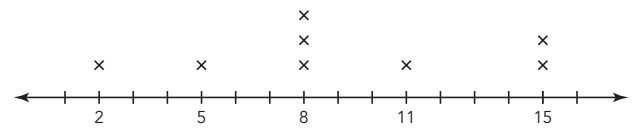
- a. 60 minutes
 - b. 70 minutes
 - c. 160 minutes
 - d. 180 minutes
- 15.** Jason plays on the Riverdale Middle School basketball team. The table shows the number of points he scored in his last 6 games.

Game Number	Points Scored
1	20
2	12
3	23
4	8
5	17
6	16

In which game did Jason's score have the greatest absolute deviation from the mean?

- a. Game 3
- b. Game 4
- c. Game 5
- d. Game 6

- 14.** What is the balance point for the data set displayed in the dot plot?



- a. 10
- b. 15
- c. 8
- d. 9

- 16.** Which of the following is a measure of center? Select all that apply.
- a.** mode
 - b.** mean
 - c.** range
 - d.** IQR
 - e.** median
 - f.** balance point
- 17.** Which of the following is a measure of variation? Select all that apply.
- a.** IQR
 - b.** mean
 - c.** range
 - d.** mode
 - e.** median
 - f.** absolute deviation
- 18.** If a distribution is skewed to the left, which of the following is true of the data set? Select all that apply.
- a.** The mean and the median are equal.
 - b.** The mean is less than the median.
 - c.** The median is the best measure of center.
 - d.** The IQR is the best measure of variation.
 - e.** The mean is the best measure of center.
 - f.** The mean absolute deviation is the best measure of variation.
- 19.** For the data set: 12, 8, 6, 6, 9, 8, 7, 11, 6, "6" is the value for which measure? Select all that apply.
- a.** IQR
 - b.** mean absolute deviation
 - c.** range
 - d.** mode
 - e.** median
 - f.** mean
- 20.** Which measures are not part of the five number summary? Select all that apply.
- a.** mean
 - b.** Q1
 - c.** median
 - d.** IQR
 - e.** maximum
 - f.** Q3